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Role of cholesterol and the ganglioside GM1 in entry and short-term survival of Brucella suis in murine macrophages

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A Naroeni... - **Infection** and immunity, 2002 - Am Soc Microbiol

... Membrane **Cholesterol**: a Crucial Molecule Affecting Interactions of Microbial Pathogens

with Mammalian Cells. Infect. Immun. ... Role of **lipid rafts** in E-cadherin- and

HGF-R/Met-mediated entry of **Listeria monocytogenes** into host cells. ...

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The Salmonella pathogenicity island 1 secretion system directs cellular cholesterol redistribution during mammalian cell entry and intracellular trafficking

MJ Garner, RD Hayward... - Cellular Microbiology, 2002 - Wiley Online Library

... Dynamic **cholesterol**-glycosphingolipid enriched membrane microdomains (**rafts**) have emerged

as central ... and plasma membranes are suggested to share similar overall **lipid** composition

(Kobayashi et ... we therefore expected a change in the SCV **cholesterol** composition upon ...

Cited by 52 - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)

Microbial entry through caveolae: variations on a theme

MJ Duncan, JS Shin... - Cellular microbiology, 2002 - Wiley Online Library

... to avoid fusion with lysosomes (referred to as active persistence), whereas **Listeria monocytogenes**,

escapes ... Campbell, SM, Crowe, SM, and Mak, J. (2001) **Lipid rafts** and HIV ... (2002) The

Salmonella-containing vacuole is a major site of intracellular **cholesterol** accumulation and ...

Cited by 112 - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

Modulation of Brucella - induced macropinocytosis by lipid rafts mediates intracellular replication

M Watarai, S Makino, Y Fujii... - Cellular ..., 2002 - Wiley Online Library

... **Listeria** or Yersinia internalization occurs by zipper-like phagocytosis in which bacterial surface

proteins bind to host cell surface receptors (Isberg, 1996; Lecuit et al., 1999). ... These results

suggested that sphingolipid-**cholesterol**-rich microdomains, **lipid rafts**, might be ...

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Attributes of $\gamma\delta$ intraepithelial lymphocytes as suggested by their transcriptional profile

[\[HTML\]](#) from pnas.org

AM Fahrner, Y Konigshofer, EM Kerr... - Proceedings of the ..., 2001 - National Acad Sciences

... After **Listeria infection**, mice deficient in Eta-1 fail to form granulomas—a phenotype that is also

observed in ... to **lipid** and **cholesterol** metabolism in the $\gamma\delta$ IEL samples (Tables 2 and 7). **Cholesterol**

is a major structural component of the plasma membrane **lipid rafts** where many ...

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Pathogenic trickery: deception of host cell processes

[\[PDF\]](#) from ugent.be

LA Knodler, J Celli... - Nature Reviews Molecular Cell Biology, 2001 - nature.com

... Similarly, **cholesterol** has an essential role in Mycobacterium bovis uptake into macrophages

29 probably do not fuse with endosomes or lysosomes, **invasion** through **lipid rafts** represents

a ... P. In vitro model of penetration and intracellular growth of **Listeria monocytogenes** in ...

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Functional aspects of the Leishmania donovani lipophosphoglycan during macrophage infection

A Descoteaux... - Microbes and infection, 2002 - Elsevier

... For **Listeria monocytogenes**, induction of MAPK pathways may be required for uptake by host ...

The molecular mechanisms by which promastigotes efficiently initiate **infection**, however, are poorly understood. ... Indeed, insertion of LPG in lipid bilayers raises the T_H (transition ...

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Pathogens, toxins, and lipid rafts

M Fivaz, L Abrami... - Protoplasma, 2000 - Springer

... Yersinia species (for a re- view, see Cossart 1997), E-cadherin is a receptor for **Listeria**

monocytogenes (Mengaud ... M. Fivaz et al.: Pathogens and **lipid rafts** ... domains was further confirmed

by the fact that internalization was inhibited after treatment with **cholesterol**-affecting drugs ...

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Phosphatidylinositol 4, 5-bisphosphate induces actin-based movement of raft-enriched vesicles through WASP-Arp2/3

AL Rozelle, LM Machesky, M Yamamoto... - Current Biology, 2000 - Elsevier

... tails are found in cells infected with intracellular pathogens, such as **Listeria**, vaccinia and ... is also

supported by unrelated studies that show that actin polymerizes from **cholesterol**- and sphingolipid ...

Lipid rafts are actively involved in many forms of signaling [22], including tyrosine ...

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The Salmonella - containing vacuole is a major site of intracellular **cholesterol** accumulation and recruits the GPI - anchored protein CD55

DM Catron, MD Sylvester, Y Lange... - Cellular ..., 2002 - Wiley Online Library

... Thus, our finding that **cholesterol** accumulates in the SCV in HEp-2 cells as well as in

macrophages suggests that the phenomenon is probably not linked to apoptosis. Elevation of

cholesterol also induces **lipid** microdomains, or 'rafts', in cells (Simons and Ikonen, 2000). ...

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